



WHAT THE WELL-DRESSED SAFETY-MINDED WELDER IN Y-12 WILL WEAR is shown above by P. E. Rush, welder in Research Services. At left he is preparing for a welding job well-shod in safety shoes, welding spats, gloves, safety glasses and a welding hood with a special color lens to shield him from the glare of the arc. In the center picture the hood is lowered over the face as Rush begins the welding process. At right Rush is wearing a fresh air respirator required for some welding work and also welding goggles for eye protection.

New Instruments Used By UCNC To Be Shown

Two Y-12ers To Talk At ISA Meet Tonight

New instruments now in use by Union Carbide Nuclear Company plants and laboratories in Oak Ridge will be demonstrated at a meeting of the Oak Ridge Section, Instrument Society of America, tonight, Wednesday, February 4. The meeting will be at 8 o'clock in the Green Room of the Ridge Recreation Hall, Oak Ridge.

John L. Noey and Stanley E. Groothuis, of the Y-12 Instrument Engineering Department; G. Lindner, of the Instrument Engineering Department at the Oak Ridge Gaseous Diffusion Plant; and R. L. Moore and R. K. Adams, Instrumentation and Controls Division of the Oak Ridge National Laboratory, will be speakers.

Noey will present a Hoke-Manostat Temperature Indicator, accurate to one-tenth of one degree, Centigrade. The new Honeywell Visicorder Oscillograph will be shown by Groothuis. Lindner will discuss a new Kintell Digital Voltmeter and a Hughes Mimiscope.

The Dage closed circuit television system for use in radioactive and underwater environments will be demonstrated by Moore; and Adams will describe a Mosley X-Y Recorder and Curve Follower.

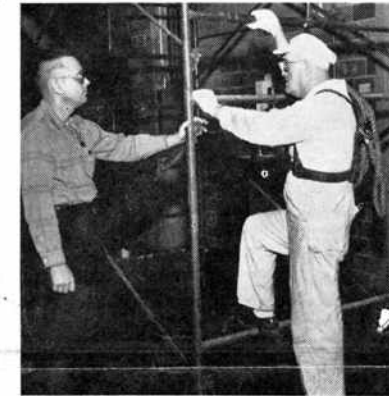
The meeting is being sponsored by R. W. Tucker, of ORNL, and all Y-12 members of the society are urged to attend.

NURSES SAVE CHILD

Nurses at a Southampton, England, hospital turned the handle of an iron lung for 97 minutes to save the life of an 11-year-old girl tetanus sufferer when the power failed in the hospital.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
80 Days Or
2,375,000 Man-Hours
(Unofficial Estimate)
Without A Disabling Injury
Through February 1
Phone 7755
For Daily Report
On Accident-Free Hours



IN THE PICTURE AT LEFT D. B. BLACKBURN, OUTSIDE MACHINIST in Research Services, is wearing a safety belt that protects Y-12ers working on high locations from falls. Standing at left is W. R. Carver, general foreman. The picture at right shows T. E. Shaw, pipefitter, wearing safety shoes, a rubber suit, gloves, acid goggles and hard hat for protection against possible chemical splashes, as he tightens bolts on a large tank.

Briton To Address Seminar; Lecture Series Continues

Dr. H. G. Kuhn, of the University of Oxford in England, will speak at the Oak Ridge Physics Division physics seminar on Friday afternoon of this week, February 6. The seminar session will be held in the auditorium of Bldg. 4500, ORNL, beginning at 3:15 p.m. The topic will be "Isotope Shift and Nuclear Deformation."

Meanwhile the lecture series of the Physics Division of ORNL will continue at 10 o'clock tomorrow morning, Thursday, February 5, at 10 a.m. in the auditorium of Bldg. 4500, ORNL. R. L. Becker, of ORNL, will continue his talks on "Fundamental Particles and Their Weak Interactions." Y-12ers are invited to attend both the seminar and lecture series.

'Julius Caesar' Production Offered Again This Week

After a capable opening two nights last week, the Oak Ridge Community Playhouse actors will again present Shakespeare's "Julius Caesar" on Thursday, Friday and Saturday nights of this week, February 5, 6 and 7. Curtain time for the production—staged at the Playhouse theater on Jackson Square—is 8:15 p.m.

Four Y-12ers are in the "Julius Caesar" cast. Playing the title role is Ernest Earley, of Electrical Engineering. Don Cowan, Labor Relations, is cast as Marc Antony. Lew Skeel, Alpha Four, plays Lepidus and Tom McLean, Instrument Engineering, handles the role of Octavius, Caesar's young aide.



DISCUSSING EYE PROTECTIVE equipment used in Research Services and other Y-12 departments are R. M. Rowan, left, electrician; and T. C. Caldwell, welder. They are looking over chemical and acid goggles, safety glasses and a face shield used as supplementary equipment over glasses or goggles when needed.

Digital Computer Is Used To Set Electromet Costs

Electro Metallurgical Company, Division of Union Carbide Corporation, recently used a digital computer to determine minimum material costs for stainless steel. The experiment was used at Electromet's Metals Research Laboratories at Niagara Falls, N.Y., to determine which combination of metallic sources, oxygen and lime would yield minimum costs.

Use Of Protective Equipment Major Factor In Y-12 Safety

Articles Issued By Company To Employees For Every Job Where Protection Is Needed

One of the major factors in establishment of the Y-12 Plant's outstanding safety records under Carbide operation since May 4, 1947, has been the availability—and use of—protective equipment for employees on every job where protection is required. This equipment ranges from hard hats and respirators of several kinds to safety shoes, leggings and welding spats.

The protection and prevention of disabling accidents provided by the many items of protective equipment has paid off many times over—not only in the cost of the equipment but mostly in the safety and continued good health of Y-12ers who might have incurred injuries had they not used the devices designed for their protection.

March Safety Meeting Topic

The subject of proper use of protective equipment will be discussed at March safety meetings throughout the Y-12 Plant.

In providing this equipment the Company is not issuing various items "just to wear" but with the interest of every employee at heart. An injured employee is an idle employee—probably suffering pain and worry as a result of an injury that might not have occurred if the employee had taken full advantage of the protective equipment provided.

The Research Services Department of the Maintenance Division is an example of a Y-12 group that intelligently uses many of the items of protective equipment issued by the Company. For instance—there is considerable welding done by this department. Then there are other job assignments that involve possible eye injuries if safeguards are not used—such as the various types of safety glasses and welding hoods.

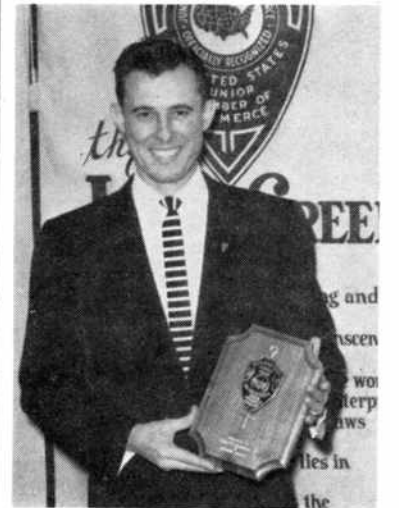
As a result of taking such precautions, the department has established an enviable record of not having a single eye injury reported during the entire year of 1958.

Designed For Specific Jobs

Many of the protective equipment articles are kept by Y-12ers after they are issued—such as their hard hats, safety glasses, goggles and shoes. Other articles are issued for individual jobs when they are needed—such as respirators, gas masks and the like. Each item is designed for different types of protection that is needed on different types of work.

Here are some of the protective articles available to Y-12ers—respirators of various types, several varieties of safety glasses and goggles, rubber and asbestos gloves,

Continued on Page 4



D. C. Martin, Jr.

Kingston Hails Y-12er As Young Man Of Year

David C. Martin, Jr., Praised For Civic Work

David C. Martin, Jr., an instrument mechanic in the Y-12 Electrical Maintenance Department, was named Kingston's "Young Man Of The Year" on January 22. The Distinguished Service Award is presented by the Junior Chamber of Commerce annually to the outstanding young man of the community for leadership and service during the calendar year.

Martin is 33 years old and has lived in Kingston for three and one-half years. He now is president of the Jaycees. His contribution to Kingston last year included Helping Fill Empty Pantries, a Jaycee project; worked on the Get Out The Vote Campaign and supported and worked at the polls on the Kingston annexation referendum.

He is a member of the First Baptist Church at Kingston and is vice president of the church Training Union. For his work on "Decisions 58" he received an all-expense trip to New York as the project was chosen as the outstanding local endeavor of its type in Tennessee and outstanding in the country for a city of less than 15,000 population.

The Y-12 Bulletin, Recreation Offices Now In New Location

The Y-12 Bulletin and the Recreation Department last week moved their desks, typewriters, ball bats and other equipment to a new home. Offices for both The Bulletin and the Recreation Department now are in "Suite" 263-265 in the South wing, Bldg. 9704-2, just "catty-cornered" down and around a couple of halls from

their previous locations in the same building.

The new telephone numbers for the combined offices are 7100 and 7109.

All Y-12ers with business to transact with The Bulletin or the Recreation Office are urged to note the changes in address and telephone numbers in their records.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
Union Carbide Corporation

GEORGE W. DOBBS . . . Editor

OFFICE
Post Office Box Y
Oak Ridge, Tenn.
Bldg. 9704-2 Rooms 263-265
Telephones 7100-7109



Miss Georgia Fritts

Y-12er's Daughter Is 'Girl Of Month' At Harriman H.S.

A charming and talented daughter of a Y-12er in Mechanical Maintenance has been designated Girl of the Month at Harriman High School for the month of January. She is Miss Georgia Fritts, whose parents are King C. Fritts and Mrs. Fritts, of Harriman.

Miss Fritts is a senior at Harriman High School and has been an "A" student for her entire enrollment. Taking an active part in various school activities, she is a member of the Beta Club, manager of the girls' basketball team for four years and is assistant business manager of the Journalism Club.

Her hobbies are writing short stories and reading. She recently won second place in a short story writing contest in her senior English class.

Miss Fritts is interested in a nursing career and is planning to take nurse's training at the Erlanger Hospital in Chattanooga.

'Land Of Early Autumn' On Screen Tour Tonight

"Land of the Early Autumn" is the title of the next presentation by the Audubon Screen Tours in Oak Ridge. The color film and narration will be presented at 7:30 o'clock tonight, Wednesday, February 4, at the Jefferson Junior High School auditorium.

The film will be narrated by Cleveland P. Grant, who appeared on the Audubon series here last in 1957. His wife will be at the projector and the film will feature fights between Rocky Mountain bighorn sheep, Montana bison, brown bears and moose in Alaska and the drumming of ruffed grouse in Wisconsin.

MAIN DISHES ANNOUNCED FOR Y-12 SPECIAL LUNCHES

Barbecued pork on toasted bun with cole slaw will be the main dish on the 50-cent Special Lunch to be served at the Y-12 Cafeteria tomorrow, Thursday, February 5. On next Tuesday chef's holiday will be the entrée. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



It's the Month of Hatchets and Hearts—is February—it was vigorously pointed out to this Colyum last week. Seems as how in the story of birth anniversaries, interesting "days" such as Groundhog and Friday the 13th—mention of that great occasion of Valentine Day was completely overlooked. One protestant bitterly accused the Colyum Conductor of being "old" just because of the omission—so in bitter denial of that canard, the CC wants to urge one and all to remember your sweetie pie or spouse on that date—now remember it—Saturday, February 14.

Now—the "old man will be rolling along" (accompanied by the Three Chipmunks) to see what news can be burrowed out of the premises this week—beginning with—

MECHANICAL OPERATIONS

"Gosh, that was a fine meal," muses little Stephen Smith, just six months old as he lolls back on the family sofa, the Proud Pop being E. Smith, of the General Machine Shop, who snapped this appealing pose of his young 'un . . . Shoppers were concerned over the week end about **Murray Parrish**, who went to Oak Ridge Hospital on Thursday for surgery—and sincere get well wishes are sent his way.



Stephen Smith

Up in the TW Shop, **J. T. Forrester** is taking off for a couple of weeks to remodel his home . . . **L. W. Parker** also is a vacationer but didn't leave word as to his intentions . . . Rapid recovery wishes go to Foreman **Howard S. Smith**, ill in St. Mary's Hospital, Knoxville . . . Likewise to **Carl Leach** and **C. M. King**, also listed on the sick book.

The Sunflower Shop is congratulating **J. J. Winslett**, who entered the ranks of Grandpops January 27, when a daughter was born to his daughter, Mrs. Edna McCaffery, wife of a sailor stationed at San Diego, Cal. The little Miss McCaffery weighed in at six pounds, 13 ounces and has been named Deborah Lynn.

TECHNICAL

"Oops," murmurs lucky young Alan Greer Dyer, "that one musta gone down the wrong way." Young Dyer is the seven-week-old progeny of Proud Pop **H. G. "Buddy" Dyer**, of Production Inspection.



Alan Dyer

Production Analysis reports **Ozella Ward** is moving into a new apartment on North Purdue Ave., Oak Ridge . . . **Eva Garrison** week ended in Bowling Green, Ky. . . **Muriel Culbertson** did likewise up in Rogersville, Tenn. . . Morgan Carter entertained folks from out of town over the past week end. Laboratory Operations welcomed **Edna Apperson** to the crew last week . . . **Arthur "Shorty" Rogers** was receiving lots of

congratulations on his 15th work anniversary last week—and he revealed that was mighty close to his birthday, too.

Chemical Engineering Development sends its best rapid recovery wishes to **Bill Burns**, in Oak Ridge Hospital since January 19—he has undergone serious surgery.

Mechanical Engineering says the **S. K. DelCours** have pulled up stakes at Concord and have become full-fledged Atomic Cityites, now living at 430 East Tennessee Ave., in Oak Ridge—they have a four-weeks-old daughter, **Teresa Ann** . . . **Fred Jones**, while keeping house during his wife's absence, must have engineered an untried recipe for he almost lost a good electric toaster—who ever heard of toasted peach pie, anyway? . . . The **M. B. Hiltons** were week-end visitors with friends in Atlanta.

Production Inspection sends get well wishes to **Tommy Douglass**, recuperating in Oak Ridge Hospital from a bone graft on his arm.

CHEMICAL

Product Processing handed out the old "Howdy, Boy" greeting last week to **Bob Wilder**, Just transferred to that department from Alpha Four, of the Alloy Division . . . Best wishes for a speedy recovery are sent **Margie Giles**, who underwent surgery recently at Epperson Hospital at Athens, Tenn.

Smart folks—those Asians—they allow as how:

"What this world needs is wise men and wise women—not wise guys."

INDUSTRIAL RELATIONS

Whoops—Capt. **E. F. Greer**, of the Fire Prevention Department, became a grandfather, junior grade, last week. (That means for the first time.) His daughter, **Beverly**, gave birth to a son, **Darrell**—and both mother, son and father, **Joe Northcutt**, are doing well, as is Grandpop . . . Guard **Cogdill** is vacationing—destination unknown . . . Sympathy is extended Fireman **E. E. Gregory**, whose sister died recently in Boise, Idaho . . . Also to **T. E. Ford**, whose father-in-law died recently . . . That's it from the Boys in Blue and Gray.

Division Superintendent **George W. Flack** was on the receiving end of lots of get well wishes over the week end at Oak Ridge Hospital. He was taken to the institution last Thursday with an acute attack of the miseries.

MAINTENANCE

Buildings and Grounds was quite worried last week over the condition of **Fred Henry**, who is ill in Oak Ridge Hospital . . . Also receiving get well wishes was **Charley Langley** in Harriman Hospital . . . Likewise **Paul Miller** and **R. J. Strickland** . . . **Roscoe Roberts** is back from three weeks of vacation—but didn't get much rest as he worked on his new home all the time.

The Laundry Department extends condolences to **H. T. Tiller**, whose mother died January 22. Research Services welcomes **M. Dorschied** back—he has been out ill since last August . . . **L. D. Baker** flew out to Los Angeles, Cal., to help his parents celebrate their Golden Wedding Anniversary on February 3 . . . **J. W. Gibson** and **S. R. Messamore** are vacationing at their respective homes.

Mechanical Maintenance rolled out the crimson carpet of welcome last week for **R. W. Jenkins** and **H. M. Julian**, transfers from other departments . . . Get well wishes are sent to a multitude of folks—**J. W. Troutman**, **George Riddle**, **R. E. Mellon**, **R. L. Steele** and **L. Nation**—and also to the latter's



CUTTING THE CAKE at the reception following their wedding in Cleveland, Tenn., December 27, are **R. Dan Culp**, of the Y-12 Industrial Relations Division; and his bride, the former Miss **Clyde Ellen Davis**.

Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will complete 15 years of Company Service within the next few days. There are no Y-12ers with 10th work anniversaries this week.

15 YEARS

Carl M. Wood, Process Maintenance, February 4.

Charles R. Kasperek, Research Services, February 7.

Madison G. Cook, Chemical, February 7.

Samuel R. Cowden, Buildings and Grounds, February 7.

Richard E. Dew, Sunflower Shop, February 7.

Wiley J. Grigsby, General Machine Shop, February 8.

Woodrow C. Munsey, Electrical Maintenance, February 8.

Birdie M. Fitzgerald, Timekeeping, February 8.

Frank A. Gragg, Production Inspection, February 10.

Jesse L. Hamon, Stores, February 10.

Florence S. Archer, Product Processing, February 10.

Mildred L. Sparks, Product Processing, February 10.

baby, ill in Oak Ridge Hospital . . . Likewise to the mother of **F. G. Daughtery** and to the wife of **N. B. Keplinger**, who is feeling better . . . **J. C. Zimmerman** took an unplanned vacation last week to repair his home in Sweetwater, damaged by that January 22 storm . . . **H. L. Brown** went to Lawrence County last week end to check on his home there and reported considerable damage done.

SHIFT SUPERINTENDENTS AND UTILITIES

The Steam Plant welcomes **J. D. Sweeney** to the outfit . . . Get well wishes go to **E. J. Garrett**, in Oak Ridge Hospital for a knee operation.

FINANCE AND MATERIALS

Property extends get well wishes to ailing **Glifford Anderson**.

Just to wind up—here's a couple of shaggy dog yarns, both involving small sports cars.

In the first, a speaker addressing a women's club meeting, advised them thusly:

"Girls, don't worry if your husband flirts. My dog chases sports cars—but if he caught one he wouldn't know what to do with it."

Next. A man took his Great Dane to a vet.

"Doctor," he said, "you've got to do something. My dog does nothing but chase sports cars."

"Well, that's only natural," said the vet. "Most dogs chase cars." "Yes," agreed the dog owner, "but mine catches them and buries them in the back yard."



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

G. W. Flack, Superintendents; **C. J. Stiles**, Development Operations; **Victor Henegar**, Z Area; **C. W. Toney**, Garage; **J. L. Devent**, Product Processing; **M. A. Parrish**, General Machine Shop; **F. M. Henry** and **C. A. May**, Buildings and Grounds; **J. R. Baumgarner**, Electrical Maintenance; **N. A. Stone**, Research Services; **L. C. Manley**, Janitors.

UCC Sales Set Mark For Last Half 1958

Net Income Also Tops Same Period Of 1957

Union Carbide Corporation sales during the last half of 1958 reached an all-time high of \$707,626,945, and income in the last half of the year exceeded the same period of 1957. **Morse G. Dial**, chairman, has reported. Net income in 1958 amounted to \$124,936,845, or \$4.15 a share, and sales for the year amounted to \$1,296,532,373. This compares with net income of \$133,740,818, or \$4.45 a share, and record sales of \$1,395,032,817 in 1957. Both sales and income for 1958 represented a seven per cent decline from the previous year.

Mr. Dial further stated that the Corporation's sales and income continued to improve from the low point reached in the first quarter of 1958. Operating profit margins improved in each quarter during the year due to economies of operation, as well as to the higher volume of sales.

Alloys and electrodes were the product groups most seriously affected by the sharp decline in the general economy. During the last half of 1958, however, sales of these products improved materially. Sales of industrial gases made a strong recovery and were about the same as in 1957. Chemicals and plastics sales were affected only moderately by the recession and for the full year 1958 showed a slight improvement over the preceding year.

The outlook for 1959, Mr. Dial said, is for continued improvement in sales and earnings.

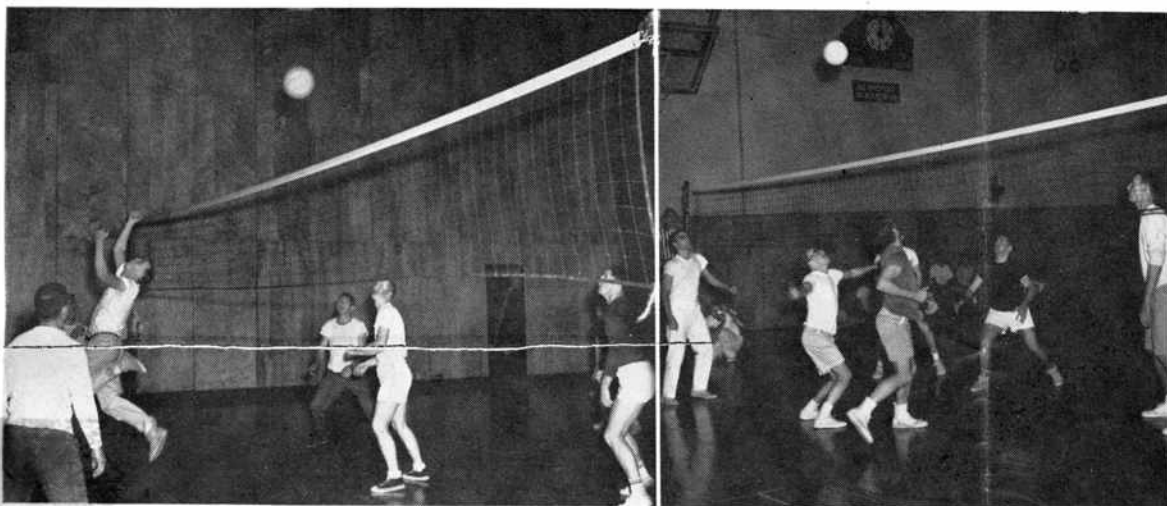
IRS Knoxville Office Offers Income Tax Aid

The quickest way Y-12ers may obtain answers to questions about federal income tax returns is to telephone the Knoxville office of the Internal Revenue Service. Tax experts are available to special telephones there from 8 a.m. to 4:30 p.m.—and the number is Knoxville 4-5427. For taxpayers with a any complicated problems Mondays are set aside for giving personal assistance in filling out returns. Taxpayers needing this aid are invited to go to the IRS office, third floor of the postoffice building, Main Ave. and Locust St.

Y-12ers may obtain income tax return forms from the Employment Office, Bldg. 9704-2. However, no assistance is given in filling out the forms.

Reckless driving never determines who's right—only who's left.





LOTS OF EXERCISE, ACTION AND ENTERTAINMENT is obtained by teams in the Carbide Two-Plant Volleyball League. Here are some action pictures of a recent game between a Y-12 and an Oak Ridge Gaseous Diffusion Plant outfit.

Beavers Capture Two Volley Tilts, Climb To Third

The Y-12 Beavers blasted out a pair of three-point victories in the Carbide Two-Plant Volleyball League last week to jump into third place in the circuit. Meanwhile, the Oak Ridge Gaseous Diffusion Plant A Shift team took three games in their only match of last week and retained the loop lead.

The Beavers bagged their triumphs at the expense of fellow-Y-12 teams. They trimmed the Eagles by 15-8, 15-4 and 15-13. The Punks came out on the short end of 15-3, 15-3, 15-1 games. The ORGDP A Shifters made the ORGDP Process Engineers their victims by 15-0, 15-3, 15-4. In the other clash of the week the Y-12 C Shift Cats accumulated three points from the ORGDP MIT team by forfeit.

League standing follows:

Team	W	L
A Shift	12	0
Hunters	16	5
Beavers	12	6
Eagles	10	8
Punks	8	10
MIT	7	14
C Shift Cats	4	14
Process Engineers	3	15

Y-12 Riflemen Triumph Again

The Y-12 rifle team maintained its two-point lead in the Oak Ridge Sportsmen's Association Rifle League when the Oak Ridge Independents forfeited on Wednesday night, January 28. In firing for record the Y-12ers posted 1321 scratch and 1445.255 handicap.

The Y-12ers will meet the Oak Ridge National Laboratory riflemen in a crucial match tonight, Wednesday, February 4. ORNL is in second place. A loss to the Labsters would deadlock the league race.

In the January 28 firing W. B. Davis was high scratch gun with 278, followed by Dave DeWalt 273 and Carl Brewster 268. Davis also led the handicap scorers with 291.-281, trailed by DeWalt 289.300 and B. Powers 289.233.

In the Y-12 Plant League the Center Shots held first place with a 10-0 mark and the Tackhole were second at 6-4. The Pinwheels and 10Xs were tied at 2-8.

The Sportsmen's League standing follows:

Team	W	L
Y-12	20	2
ORNL	18	4
ORGDP	8	14
Independents	0	22

Beavers Blast Pins To Retain Bush Top

The Beavers blasted the Nine Pins for three points to retain the lead in the Bush League January 26 while the Bees lost a little ground as they split with the improving Alley Choppers. Meanwhile the Balls O'Fire belted the



THIS IS THE PUNKS TEAM, Y-12 representatives in the Carbide Two-Plant Volleyball League. From left are John Harding, Jack Thomson, Jim Cole, Manager Ray McGinnis, Larry Rinderer, Bill Simms, Bill Hudson and J. P. Cowan.



THE HUNTERS TEAM from Y-12 in the Carbide Two-Plant Volleyball League is finding the hunting good this year. In front, from left, are Manager W. B. Tyree, George Reece and Lewis Watson. In rear are Gordon Brewer, Dave Blessing and Loyd Wakefield.

Hi Balls for three points, Bldg. 9212 took the Lucky Five and Snfft sunk the Inspectors by the same score.

Individual scoring honors saw McKnight, Lucky Five, having the best scratch scores with a 215 game and 559 series. Lanham, Alley Choppers, rolled a 262 handicap game for tops and Smith, Balls O'Fire led with a 634 handicap series. In team scoring the Lucky Five lads had top scratch scores of an 800 game and 2314 series, while the high handicap team was the Alley Choppers with a 1034 game and 2857 series.

League standing follows:

Team	W	L
Beavers	17	7
Bees	15	9
Balls O'Fire	14	10
Nine Pins	12	12
Bldg. 9212	12	12
Inspectors	11	13
Lucky Five	10	14
Hi Balls	10	14
Snfft	10	14
Alley Choppers	9	15

You're only young once—after that you have to think up another excuse.

Rambunctious Rebs Lead Classic Loop

The rambunctious Rebels routed the Playboys for four points in Classic Bowling League alley activities last week to take over undisputed possession of first place in the circuit. The Wasps, All Stars and Bumpers, tied for the lead at the beginning of the pin toppling last week, all were beaten and fell far down the ladder. With the second half of the season just underway, the close competition in the league is shown by the fact that five teams are tied for third place and four for fourth.

The Rippers also romped to a four-point win over the All Stars and the Sportsmen toppled the Tigers by the same score. Three-point wins were recorded by the Markers over the Smelters, Screwballs over the Cubs, Wolves over the Wasps and the Eight Balls over the Bumpers. The Has Beens and Swingsters rolled to a deadlock at two points each.

The Wolves' victory was marked by high team and individual scoring. Bob Olson smacked down a 256 scratch game, boosted to 281 with handicap, and a 674 handicap series. Len Hart, Rippers, Y-12, All-Carbide and Oak Ridge city championship bowler, entered the coveted 600 class in his scratch series tops at 601. In team tallying the Wolves had a 915 scratch and 1036 handicap game and 2997 handicap series. The Rebels got into the act with a 2653 scratch series.

League standing follows:

Team	W	L
Rebels	7	1
Markers	6	2
Has Beens	5	3
Swingsters	5	3
Rippers	5	3
Bumpers	5	3
Waspas	5	3
All Stars	4	4
Smelters	4	4
Screwballs	4	4
Wolves	4	4
Eight Balls	4	4
Sportsmen	4	4
Cubs	2	6
Tigers	0	8
Playboys	0	8

Reactors, Comets, Demons In Playoff For Basketball Loop First Half Title

Two Y-12 Teams Vie This Week In Title Round; New Y-12 Quintet Enters To Be Eighth Outfit

That anticipated three-way tie for first half of the season championship in the Carbide Two-Plant Basketball League came off as expected with the Reactors and Comets, both of Y-12; and the Lab Demons of Oak Ridge Gaseous Diffusion Plant; each winding up with a five won and one lost record for the period.

Representatives of the teams drew for positions in a playoff for the first half crown. The Lab Demons drew a bye so the Reactors and Comets have been scheduled to meet at 7 o'clock on Tuesday night of this week with the winner playing the Lab Demons at a date to be agreed on by the contending team captains.

Comets Conk Ramblers 43-35

The Comets earned the right to enter the playoff with a hard-fought 43 to 35 win over the ORGDP D Ramblers in what was a tight defensive battle in the final game of the first round. Reece bagged 14 points for the winners, Hopkins nine and Verner eight. The Ramblers' Barron was high for the game with 15.

The second half of the season opened with a new team added to the roster. The Y-12 Co-Ops, formed of co-op employees, brought the loop membership to eight. The Co-Ops dropped their first tilt in the second half when the ORGDP All Stars rolled to a 46 to 26 triumph. Montgomery led the Y-12ers with nine points and Harrell had seven. The All Stars' Rodriguez was high gun for the game with 18.

In the feature game so far in the second half, the Lab Demons handed the Reactors a 50 to 45 defeat in a see-saw battle. The Y-12ers had a 14 to 11 first period lead, then the Demons rallied to take a 27 to 22 half-time lead. The Reactors again surged back in the third period to tie it up at 34-all. Then the Demons edged out a 16 to 11 advantage in the final period for the triumph. Taylor, Reactors; and Sullivan, Demons, both had 15 points each and the Demons' McCall swished 13 through the nets. Malcolm had eight and Grubb seven points each for the Reactors.

In the other tilt last week the ORGDP Pilot Plant quintet walloped the Hawks of Y-12 by 61 to 31, holding an edge in every quarter of the game. M. Wright led the Hawks with 18 counters while Cornett with 19, Davis 16 and Rogers 10, paced the Pilot Plant.

Team	W	L
Lab Demons	1	0
Pilot Plant	1	0
All Stars	1	0
Y-12 Co-Ops	0	1
Reactors	0	1
Hawks	0	1
Comets	0	0
D Ramblers	0	0

Other Counties Get Peninsula Deer

Figures just released by Thomas D. Grelen, leader of the Tennessee Game and Fish Commission's deer and turkey restoration program, show that during the 1958 season a total of 166 deer were trapped on the Central Peninsula Wildlife Management Area. These deer were used to help establish deer herds in Franklin, Hardin and Overton counties, where deer restoration units have been set up.

Since 1954 under the deer restoration plan nucleus herds of this popular big game animal have been established in some 30 counties within the state. Under this program that affords protection and habitat improvement, deer are becoming more numerous throughout Tennessee.

East Tennessee counties where deer restoration units have been established include Scott, Sequatchie, Blount, Sevier, Cumberland, Rhea, Bledsoe and Hamilton counties.

Y-12 Bowling Meet Set For March 7, 8

Event To Be Staged At Ark Bowling Lanes

The biggest annual athletic competition of the year—the Y-12 Bowling Tournament — has been scheduled for Saturday and Sunday, March 7 and 8, at the new Ark Bowling Lanes in Oak Ridge. The Ark Lanes has 24 alleys, which will expedite the pin smashing activities and enable the event to be completed in two days instead of four.

Men, Women Will Compete

Both men and women keglers of the plant will get their opportunity to win both cash awards and trophies. Competition for the men will be in teams, doubles and singles, which will cover the all-events scores that determine the Y-12 Plant champion for the season. Women also will compete in doubles and singles and in mixed doubles, with all three counting toward the all-events scores.

The men's teams and the mixed doubles events will be rolled on Saturday, March 7. Doubles and singles for both men and women will be staged on Sunday, March 8.

Cash And Trophies Offered

The cash prizes will be presented on handicap scores. Trophies are to be awarded to first and second place scratch and handicap and all-events scores. There will be no prize money for all-events scores.

Entry blanks will be in the hands of league secretaries and should be obtained from them. The entry lists will close at 4 o'clock Tuesday afternoon, February 24, and should be channeled to the Recreation Department through league secretaries, along with entry fees. The entry fee will be \$2.25 per person for each event with \$1.05 being assigned to the cash prize purse and the other \$1.20 for bowling fees.

Sunflowers Pluck Lead In C League

The Sunflowers plucked the Daffodills for a four-point whitewash triumph in the C League alley activities January 26, the victors taking over the loop lead from the Engineers, which dropped a similar defeat to the Goof Balls. Another whitewash win was posted by the Knot Heads over Murderer's Row. The Chillers cooled off the T Squares for three and even splits of two points each were recorded by the Alley Cats-B Shift and Dry Hides-Wacos.

May, Alley Cats, had the best single game scores of 217 scratch and 248 handicap. Beeler, B Shift, led the series scorers with 593 and 673. The Goof Balls were top handicap scorers with a 1057 game and 3073 series. The best scratch series was 2520 by the Sunflowers and the Chillers came through with a 900 handicap game for tops of the night.

League standing follows:

Team	W	L
Sunflowers	26	10
Engineers	24	12
Goof Balls	22	14
Knot Heads	21	15
T Squares	18	18
Alley Cats	18	18
Chillers	18	18
Dry Hides	16	20
Murderer's Row	15	21
B Shift	15	21
Daffodills	14	22
Wacos	9	27

Bulk Rate
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

UNION CARBIDE NUCLEAR COMPANY

Division of

Union Carbide Corporation

Post Office Box Y
Oak Ridge, Tenn.

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,
RETURN TO SENDER IMMEDIATELY.



'Loose Talk' Danger To Plant Security

Classified Information Protection Is Urged

Lewis L. Strauss, while chairman of the Atomic Energy Commission, stated:

"Security rests in the conscience of the individuals who have been given access to restricted data and other classified information. Guards, fences, document control measures, personnel clearances and security regulations do not in themselves constitute security, but only assist employees in discharging their security responsibilities."

Easy To Drop Information

Generally, all Y-12ers are proud of their work and have a natural tendency to discuss the progress, problems and accomplishments on the job; the new equipment recently installed and choice bits of "scuttlebutt" picked up here and there in the plant. Most such discussions may be innocent enough, but during the discussion an important piece of classified information could easily and unwittingly be disclosed. It could be the missing bit of information needed by a spy to complete vital espionage.

By applying the following simple rules, each Y-12 employee can assure himself that the classified information he carries around in his memory will be safe:

1. Never talk about production figures of any kind, new equipment, plans for expansion or details of items on which you work, unless you are sure everyone within hearing is specifically cleared for the information.

2. Never talk to strangers or casual acquaintances about your work. Your work should not be discussed with anyone not connected with your job.

Never Talk In Public

3. Never talk to anyone about your work while in a public place. Conversations overheard in restaurants and bars, trains or buses, barber shops or stores have contained exactly the information for which a foreign agent is seeking.

4. Use your common sense. Talk about your work when necessary, but keep quiet about it on all other occasions.

Carelessness with information entrusted to your care could result in grave damage to the nation as well as severe penalties to you.

Uncleared persons are not authorized for access to classified information.



"Sparky" says:
**Don't Give Fire
a Place to Start!**



Rides Wanted, Offered

Ride wanted from Newkirk Lane, Oak Ridge, to North Portal, straight day. Dot Harris, plant phone 7-8361, home phone Oak Ridge 5-5203.

New Immersion Pump Developed By Linde

Machine Is Important In Missile, Rocket Work

Linde Company, Division of Union Carbide Corporation, has announced the development of the HP-8 Immersion Pump. Its ability to deliver liquid nitrogen and oxygen at high pressures makes it important to the missile and rocket industry. The new pump was on display for the first time at the American Rocket Society Exhibit in the Statler-Hilton Hotel last November.

This recently developed pump can deliver 11,000 standard cubic feet of nitrogen per hour. It also delivers oxygen at a rate of 13,750 standard cubic feet at 10,000 pounds per square inch.

Compact And Light Weight

The HP18 is a reciprocating, single-action, positive displacement type pump designed for storage tank operation. This new model is the most compact and lightest pump of its type on the market. Because of its size, it can be immersed in a tank and therefore eliminate the need for a sump. However, this pump can be mounted independently if a sump operation is preferred.

This model gives approximately 30 per cent more volumetric efficiency than any other reciprocating pump on the market. Efficiency has been increased because close tolerances are maintained between the outer casing and the plunger.

Friction Is Reduced

Standard packings have been replaced by a non-metallic, self-lubricating packing to reduce friction. Field tests have proven this packing to give almost twice the service-life between overhauls as other methods. Since the HP-8 is an immersion pump, it is inherently maintained at operating temperatures and does not require costly cool-down periods before pumping ultra-cold fluids.

The drive for the pump is a 15 horsepower electrical motor.

At the present time, the sale of the HP18 Immersion Pump is limited to the Armed Services or firms under contract to the Armed Forces.

A woman has definitely reached middle age when she has to put on her glasses to see how to apply her lipstick.



HUGH McNEAL PEACOCK, Y-12ER WHO RETIRED LAST FRIDAY, JANUARY 30, was given quite a send-off last week by fellow employees in Production Inspection. Peacock is second from right in front, right behind the color slide projector given him as a "going-away present." In dark suit at right front is N. E. Hamby, general foreman, who made the presentation; and at Peacock's right is R. E. Morley, assistant foreman.

6-9438

1959 Fishing Regulations Now Available

The Information-Education Section of the State Game and Fish Commission announces that the 1959 fishing regulations are ready for distribution. The new "Pocket Guide to Tennessee Fishing" is modeled after the 1958-59 hunting regulations booklet.

Fishing Contest Now Open

All Y-12 anglers are reminded that the 1957 Annual Fishing Contest now is open. All plant fishermen are urged to get contest blanks at the Recreation Department, Room 263, Bldg. 9704-2, at once to be prepared for the contest. It also is suggested that they obtain one of the new state booklets.

The 48 page publication contains a layman's interpretation of laws relating to fishing, names and addresses of all fisheries and enforcement personnel, and a list of sources of information, maps, and publications on fishing. Also included are methods of identification of all Tennessee game fish and other species of interest with discussions of how and where to catch various species. Management of reservoirs, warm water streams, and trout streams is discussed, and a list of all streams stocked with trout is included.

Lakes, Docks Are Mapped

The booklet contains detailed maps of reservoirs showing docks and public access areas as well as a list of docks and their addresses. Commercial fishing is discussed, including its relation to sports fishing, and complete commercial fishing regulations are given.

Special fishing regulations for wildlife management areas and the Smoky Mountain National Park are included. Farm ponds are discussed, and information is given on where to get help on construction, stocking, and management.

State-owned lakes are listed along with their location, facilities, and fishing potential. The booklet contains a summary of current seasons and limits, with the local exceptions.

These pocket guides will be available soon from Game and Fish personnel, license dealers, and sporting goods stores, or copies may be obtained by writing to the State Game and Fish Commission, Room 228, Cordell Hull Building, Nashville, Tenn.

Norris Rough Fish Survey Is Launched

The second phase of the Norris Lake rough fish removal study was scheduled to begin January 30, according to reports of the State Game and Fish Commission. This study, a cooperative project between the TVA and the Tennessee Game and Fish Commission, is being made to determine the numbers, species and size of the



SHOWING HUGH PEACOCK HOW TO OPERATE the color slide projector given him as a retirement present by fellow employees in Production Inspection last week is F. C. Uffelman, department superintendent of the Uranium Control Department. Peacock is at his left and standing in rear are R. E. Worley, assistant foreman in Production; E. W. Bailey, mathematician in the department; and N. E. Hamby, general foreman. Peacock retired last Friday.

Nip, Tucks Advance In Mixed League

The Nip and Tucks nipped the Alley Cats for a four-point whitewash win last week in the Mixed League weekly action to climb to within one point of the loop lead. The Scrappers held onto first place by plastering the Pin Plasters for three and the Clippers drew close by taking three from the ABCs. The Phantoms blanked the Rockets in the other match.

Evelyn "Fiz" Tucker helped her Nip and Tuck playmates along by posting a 193 scratch game and 512 series to lead the distaff keggers. B. Henry, Alley Cats, led the men scorers with a 234 scratch game, boosted to 264 with handicap and a 631 handicap series. Tom Hillard, Scrappers, had the high scratch series for men with 552. In team scoring it was the Nip and Tucks all the way with 680, 833, 1940 and 2398 across the board.

League standing follows:

Team	W	L
Scrappers	13	3
Nip and Tucks	12	4
Clippers	10	6
Phantoms	10	6
Alley Cats	7	9
Pin Plasters	6	10
Rockets	3	13
ABCs	3	13

rough fish in this reservoir. It is expected that this portion of the study will be completed within 30 days.



Use Of Protection Factor In Safety

Continued from Page 1

helmets, leggings and welding spats, rubber coats and entire rubber suits, safety belts and harness for protection of employees from falls while working at high elevations.

All of this equipment—and, of course, proper use of the various items—makes it easier for every Y-12er to work with safety to himself and his fellow employees. That is why the plant's safety record is so good—and so few Y-12ers are injured on the job.

Cobblers Clobber Classic's Markers

In what was termed a "practice" match, the Cobblers, representing Paul's Shoe Shop in the Oak Ridge Mixed League, clobbered the Markers, of the Y-12 Classic League January 24 at the Ark Bowling Lanes. The Cobblers led in total pins and won three games. In the ranks of the Cobblers were two keglerettes, who helped the victors toss consternation into the ranks of the losers with good scores. Two Y-12 men also were on the Cobblers, with Don McAlister leading all scorers with 173, 178, 190—541; Harold Zang posting 180, 187, 155—522; and Norma McAlister, Don's wife, coming through with a fine 158, 185, 157—500. Other Clobber scores were Giles Oldham 191, 135, 166—492; and Letha Oldham 147, 148, 143—438.

For the Markers John Boyd led the parade with 163, 190, 171—524. He was followed by J. Bartholomew 149, 189, 147—485; B. Coleman 190, 129, 165—484; Bob Jago 156, 127, 166—449; and Don Troutman 146, 157, 131—439.

The Cobblers outscored the Markers by 849-804, 833-792 and 811-780, the scratch series totaling 2493 to 2381.

Loose talk is poison.